

Recombinant Anti-IRF9 Rabbit mAb

Catalog # AP95235

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q00978
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	43696

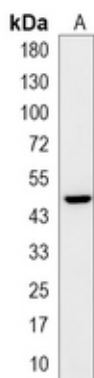
Additional Information

Gene ID	10379
Other Names	ISGF3G; Interferon regulatory factor 9; IRF-9; IFN-alpha-responsive transcription factor subunit; ISGF3 p48 subunit; Interferon-stimulated gene factor 3 gamma; ISGF-3 gamma; Transcriptional regulator ISGF3 subunit gamma
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human IRF9 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

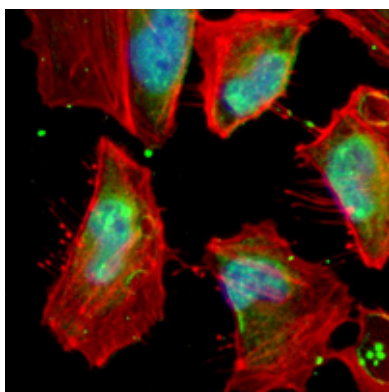
Protein Information

Name	IRF9
Synonyms	ISGF3G
Function	Transcription factor that plays an essential role in anti- viral immunity. It mediates signaling by type I IFNs (IFN-alpha and IFN-beta). Following type I IFN binding to cell surface receptors, Jak kinases (TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. IRF9/ISGF3G associates with the phosphorylated STAT1:STAT2 dimer to form a complex termed ISGF3 transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element (ISRE) to activate the transcription of interferon stimulated genes, which drive the cell in an antiviral state.
Cellular Location	Cytoplasm. Nucleus Note=Translocated into the nucleus upon activation by IFN-alpha/beta

Images



Western blot analysis of IRF9 expression in Jurkat (A) whole cell lysates. (Predicted band size: 44 kD; Observed band size: 48 kD)



Immunofluorescent analysis of IRF9 staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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